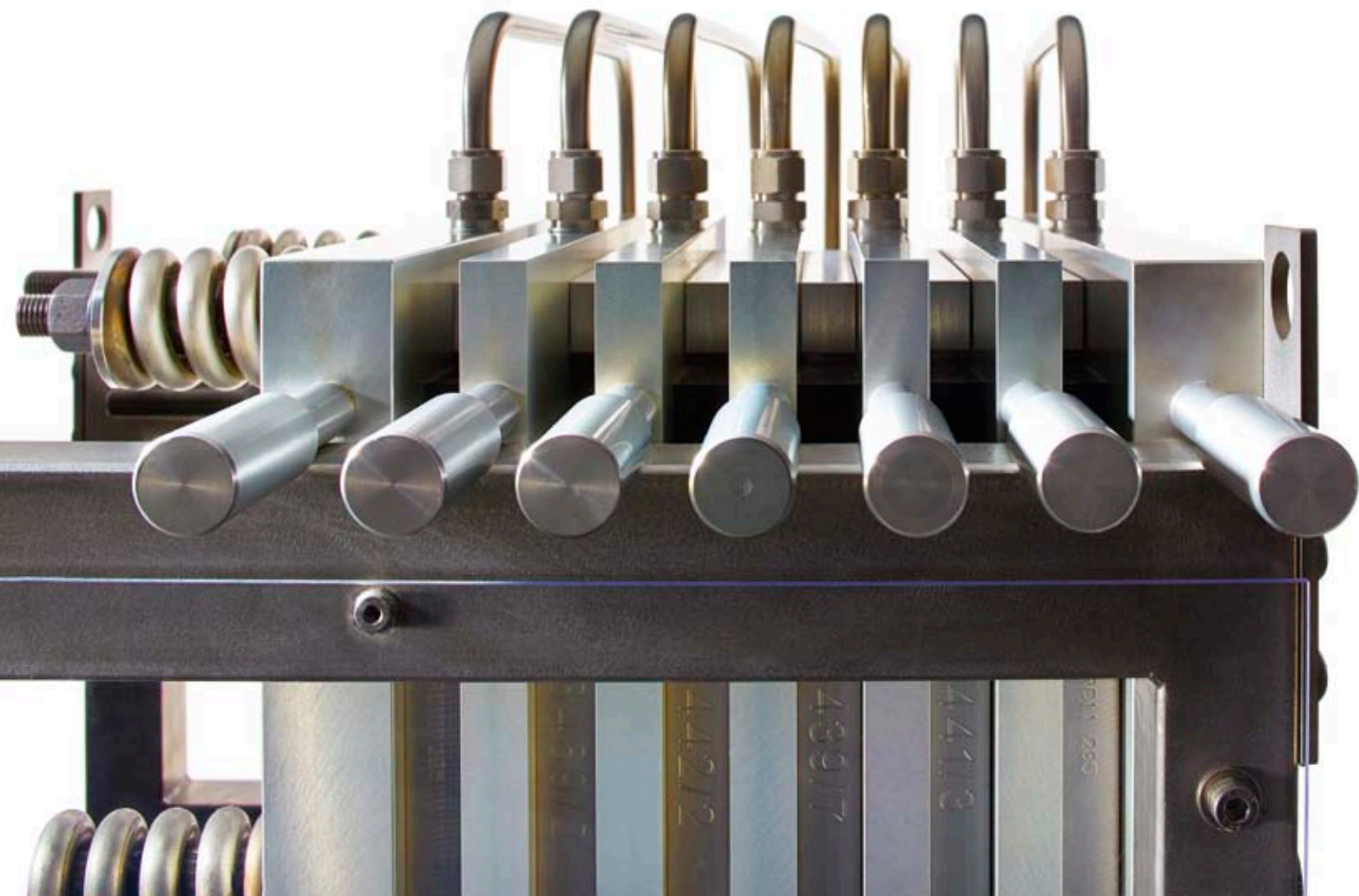


CORNING

The future flows through  
Corning® Advanced-Flow™ Reactors

G4 SiC Reactor

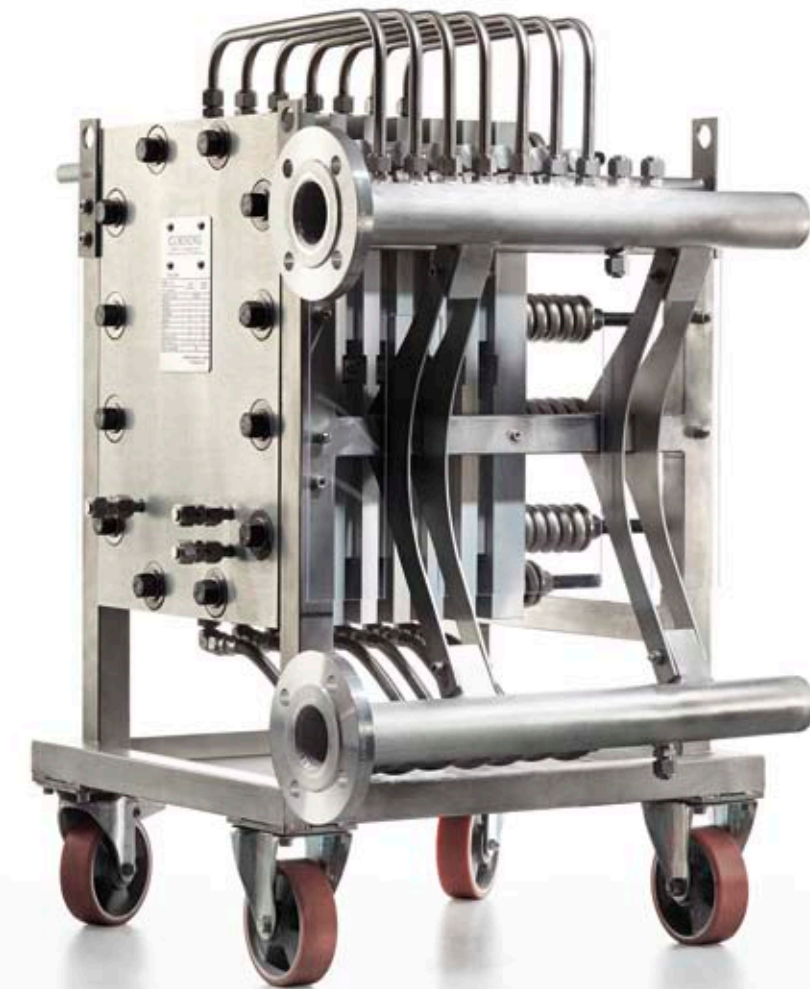
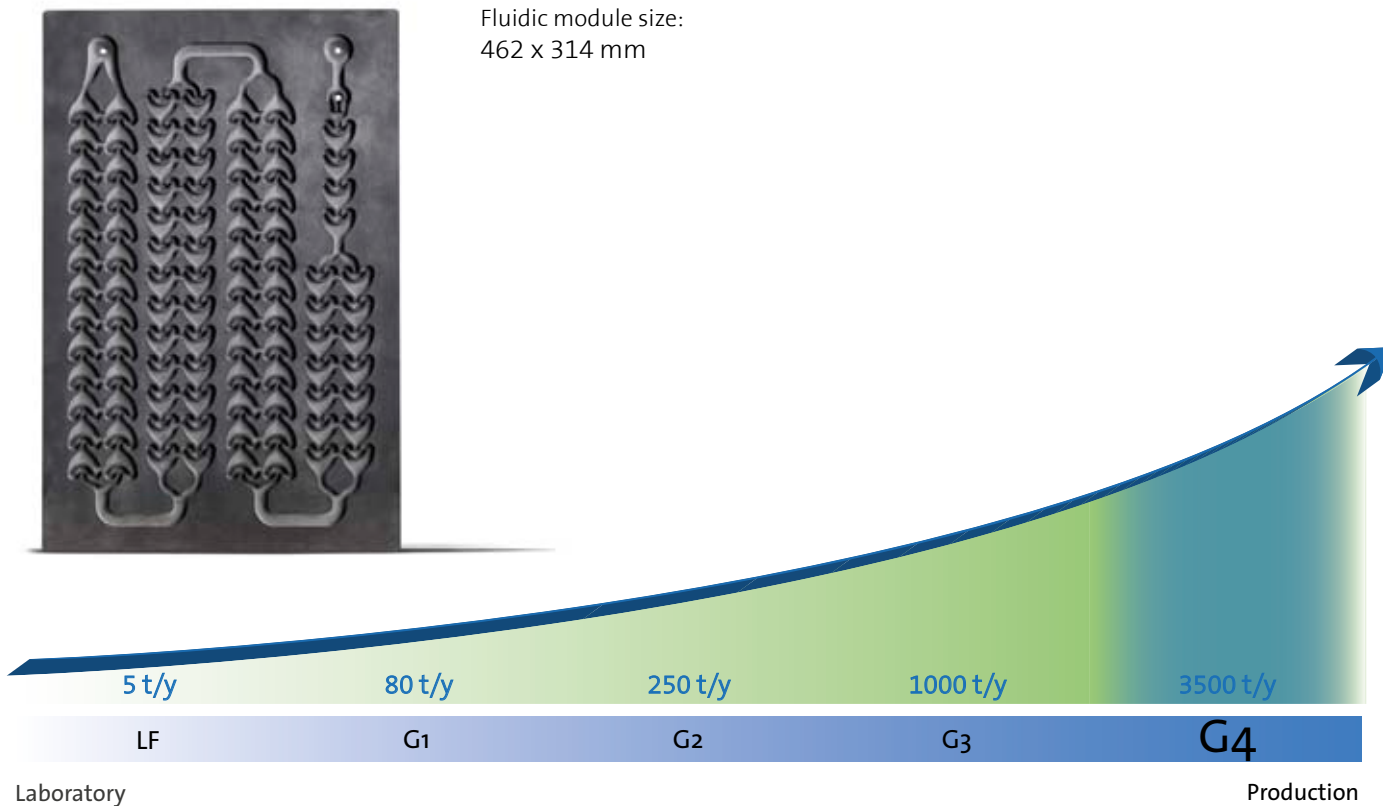


# G4 SiC Reactor

Production reactor

## Features

- Outstanding mixing and heat exchange: patented HEART design
- Large internal volume
- High residence time
- Highly flexible
- Seamless scale-up with other Advanced-Flow™ Reactors products
- High chemical durability (suitable for high pH compounds and hydrofluoric acid)



Reactor size:  
60 x 74 x 96 cm  
(L x W x H)

## Technical Specifications

FLOW RATE	TEMPERATURE	PRESSURE	MATERIALS	FLUIDIC MODULE	OPTIONS
1000 to 8000 ml/min	-60°C to 200°C	Up to 18 barg	Silicon Carbide PFA Perfluoroelastomer	260 ml internal volume	ATEX certification; FDA, cGMP compliance

Mass Transfer 100 x better \*

Heat Transfer 1000 x better \*

Reaction Volume 1000 x lower \*

Residence Time Distribution 50 x better \*

\* compared to batch reactors



## Make industrial production real with G4 SiC reactor

- Direct seamless scale up from G1 to G4
- Shorter time to market \*
- Low space requirement \*
- Easy integration into existing unit
- Turnkey solution
- Technical support from lab test to industrial startup

\* compared to batch reactors

## CORNING

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